

1/2 s
599PIX8X**00

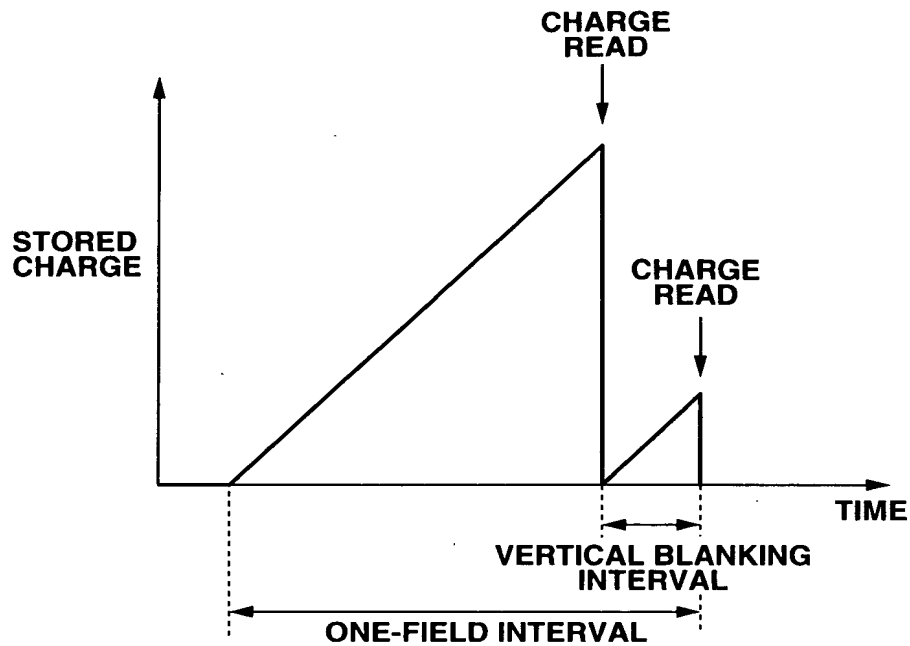


FIG.1

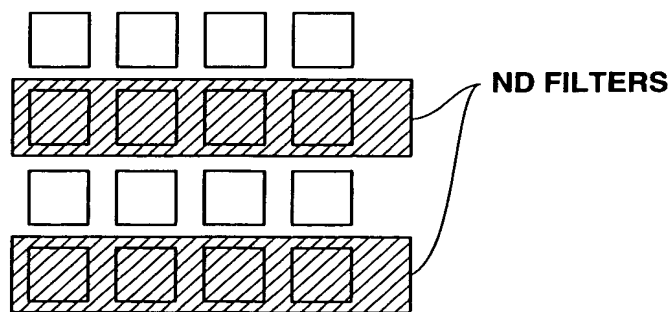


FIG.2

09468053-122099

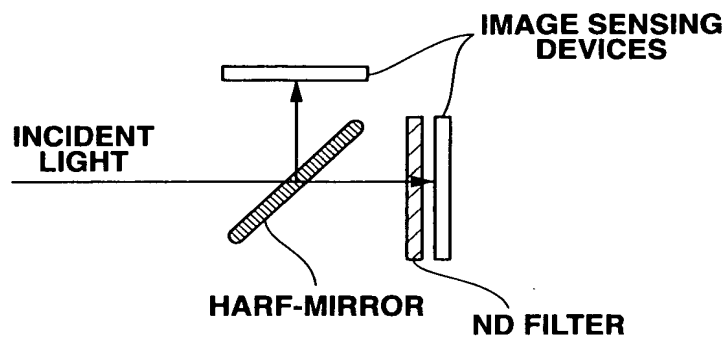


FIG.3

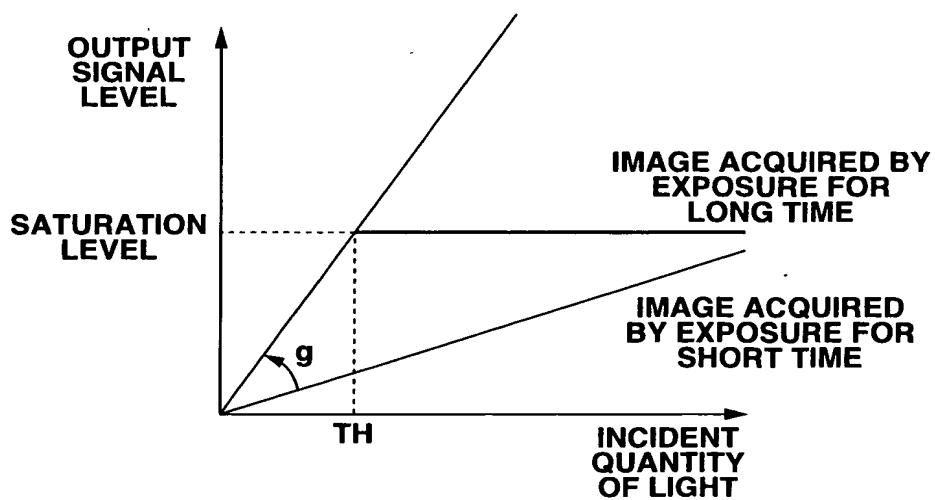


FIG.4

FIG.5

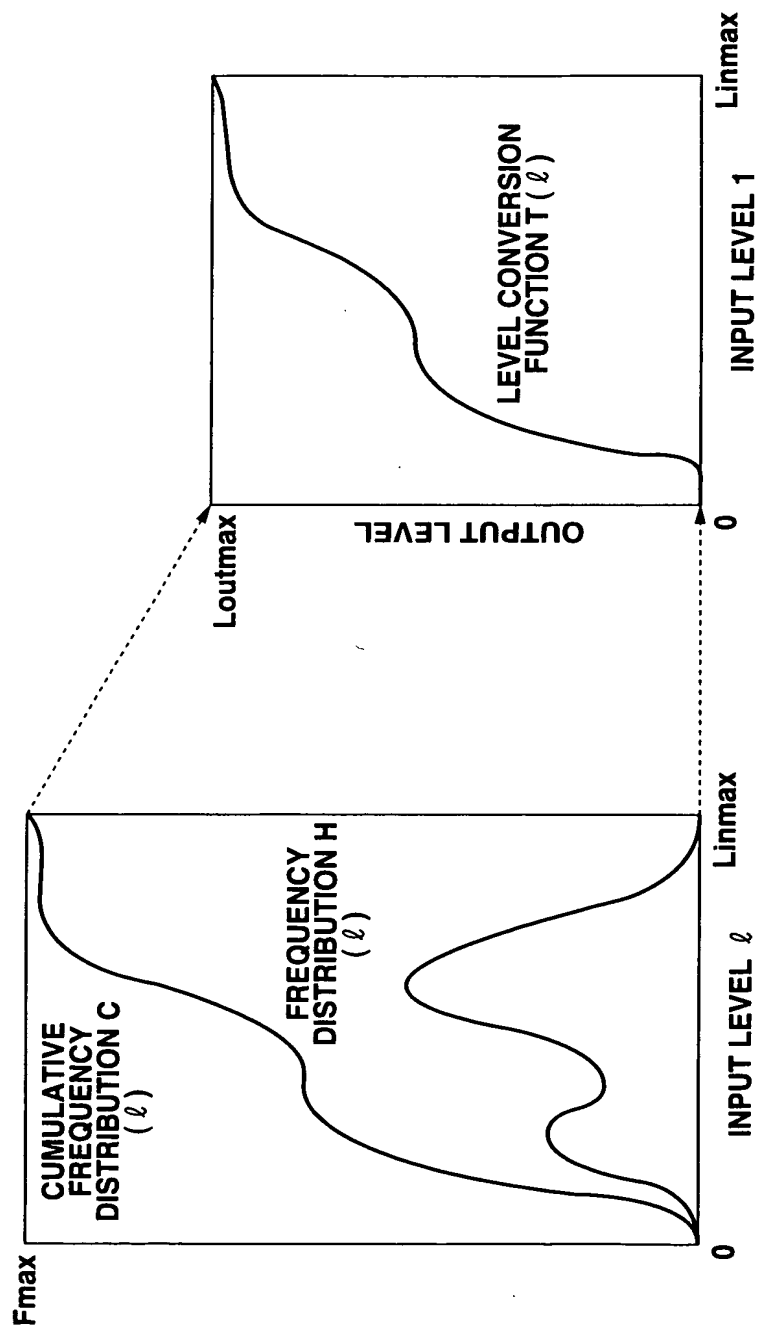


FIG.6

| | | | | |
|----|----|----|----|--|
| Ye | Cy | Ye | Cy | |
| Mg | G | Mg | G | |
| Ye | Cy | Ye | Cy | |
| G | Mg | G | Mg | |
| | | | | |

G : GREEN
Ye : YELLOW
Cy : CYAN
Mg : MAGENTA

FIG.7

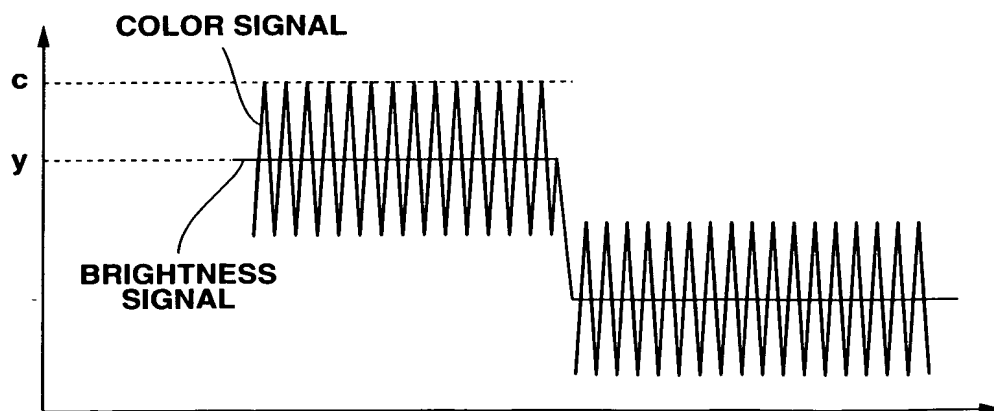


FIG.8

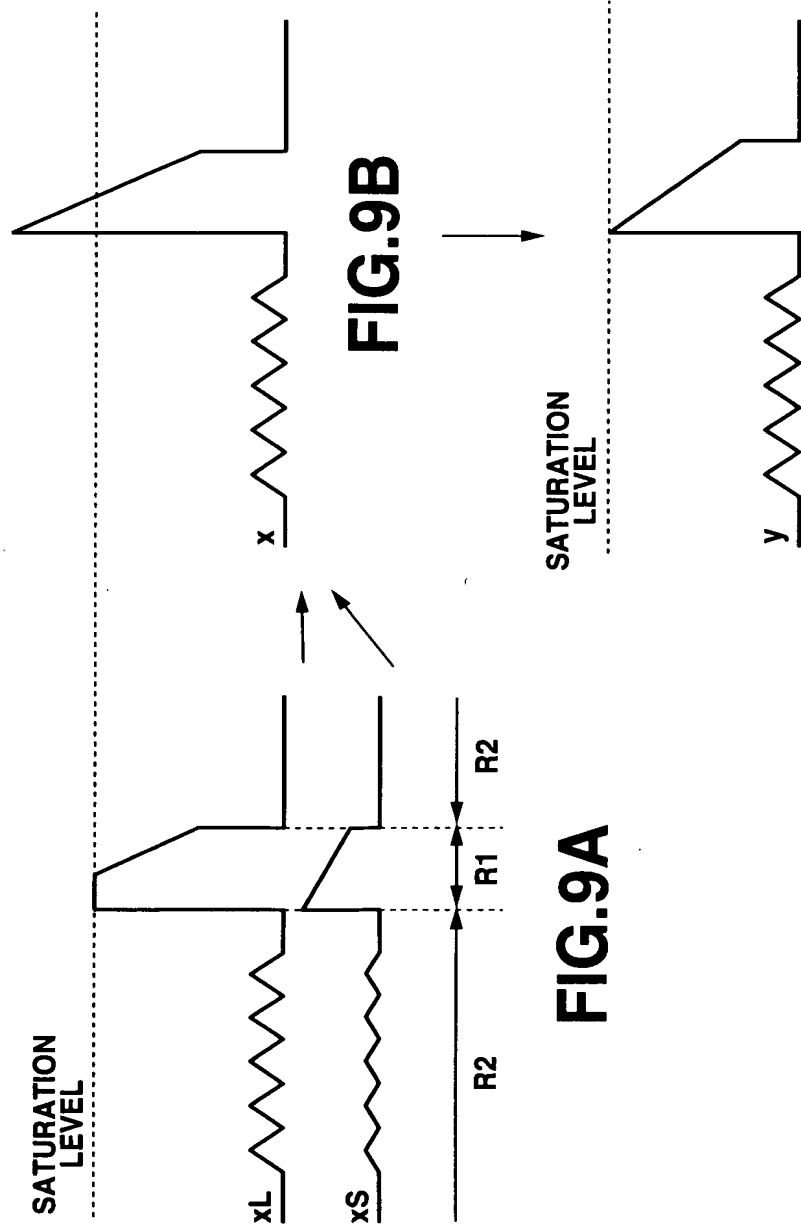
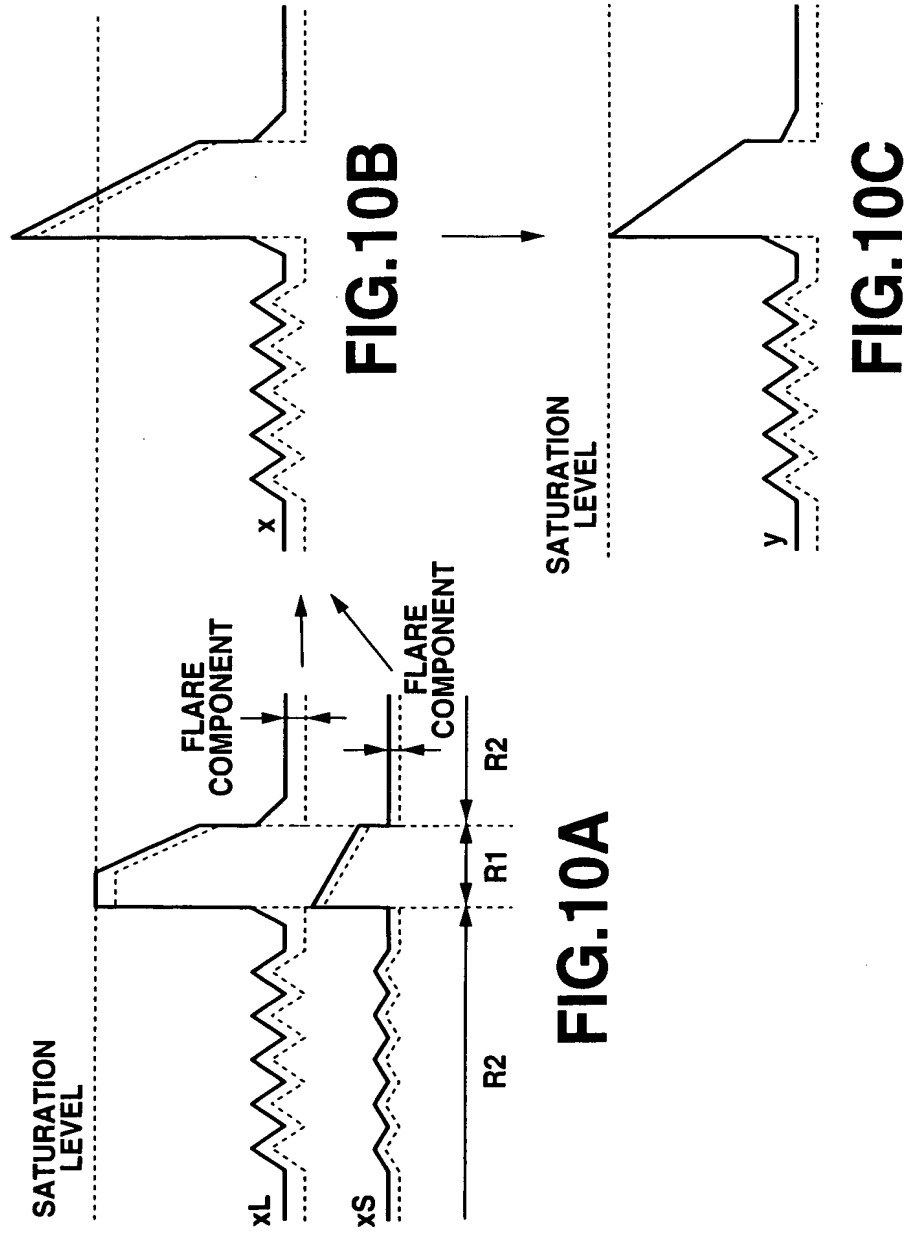


FIG. 9A

FIG. 9C



660227-25089460

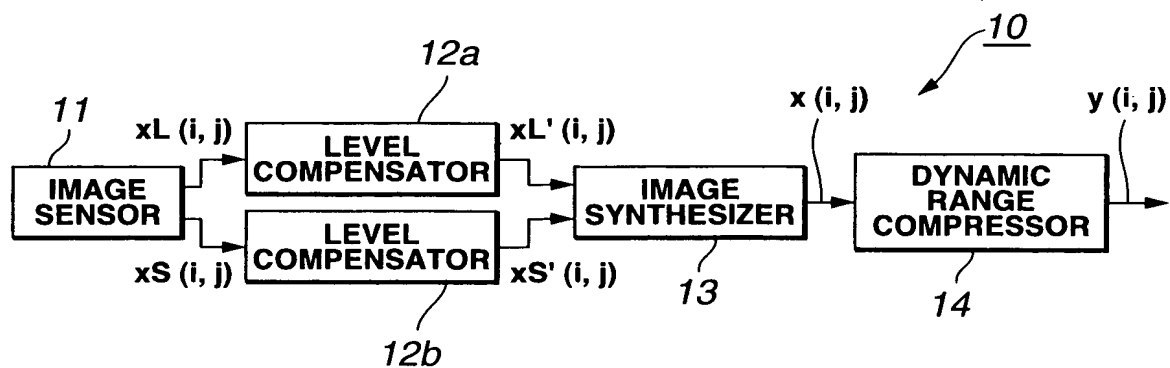


FIG.11

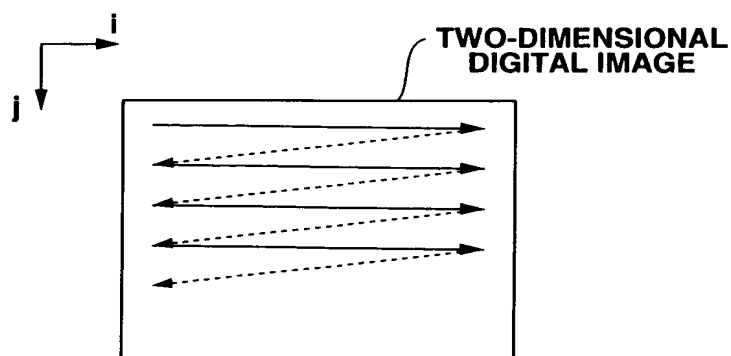


FIG.12

FIG.13

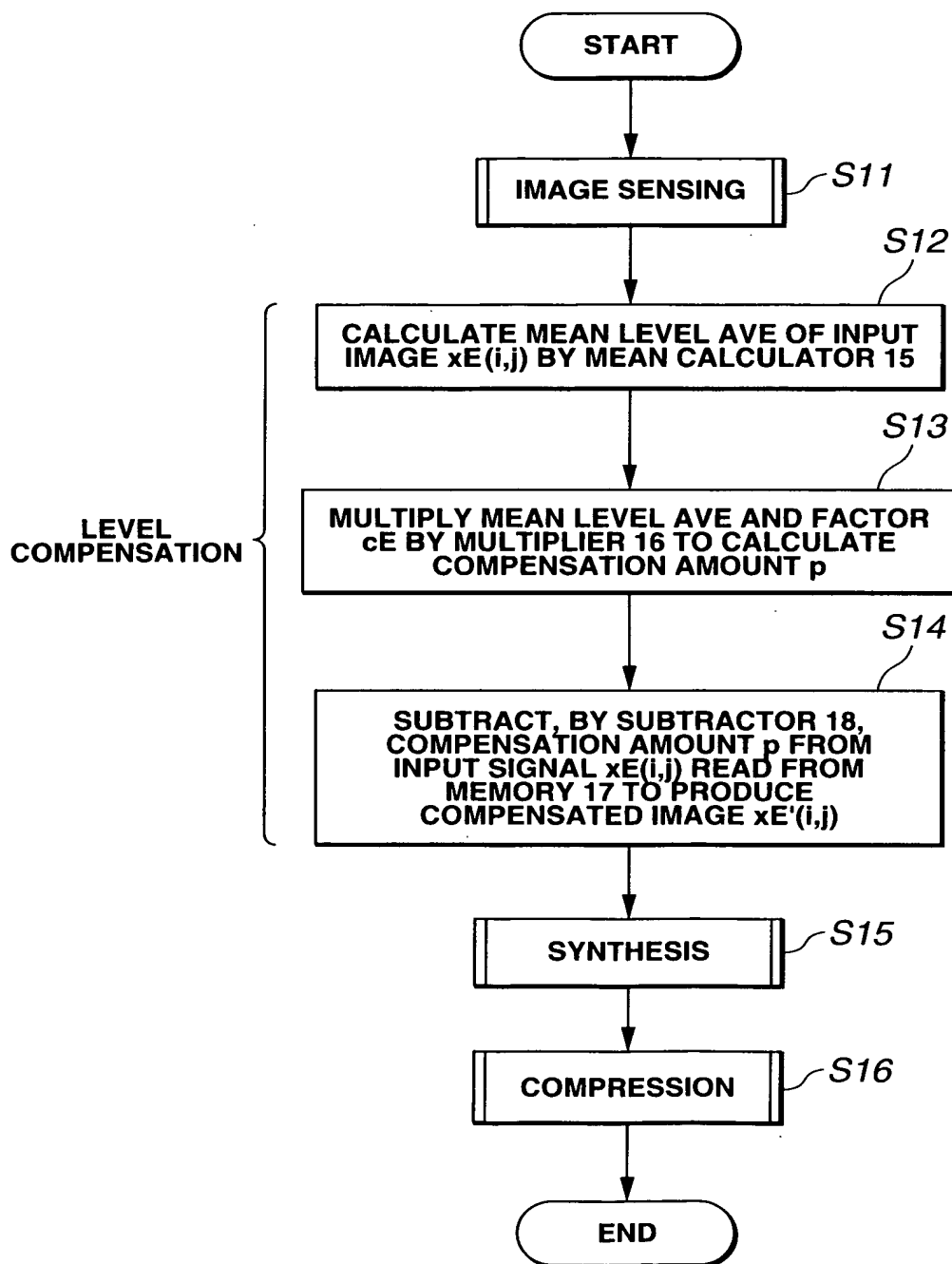


FIG.14

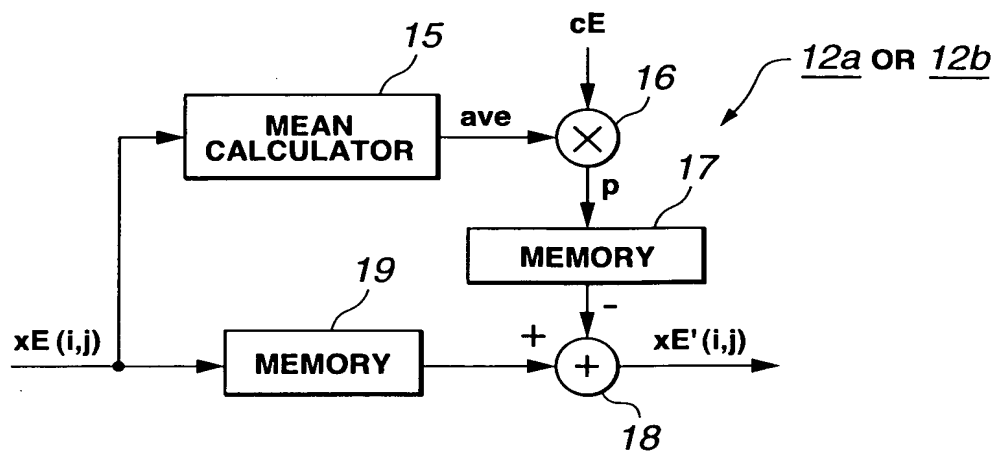


FIG.15

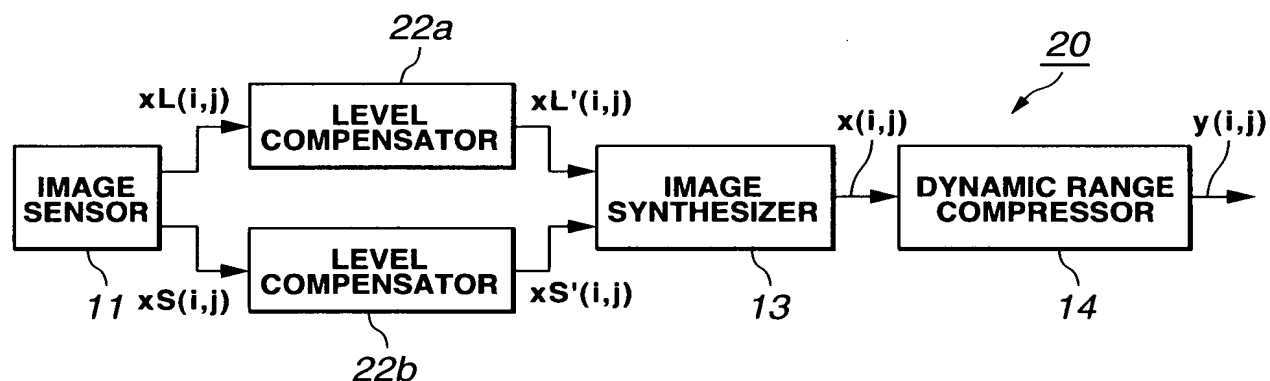


FIG.16

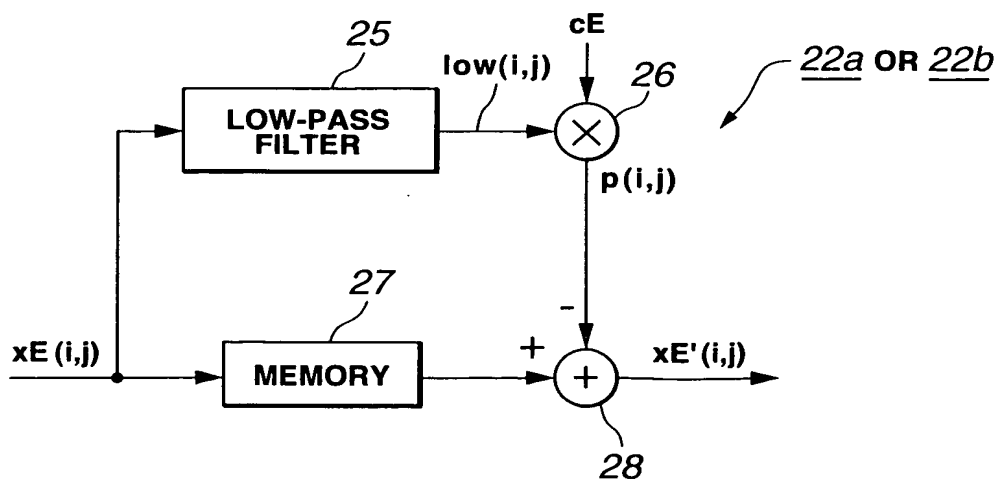


FIG.17

```
graph TD; START([START]) --> S21[IMAGE SENSING]; S21 --> S22[PRODUCE MEAN IMAGE low(i,j) FROM INPUT IMAGE xE(i,j) BY LOW-PASS FILTER 25]; S22 --> S23[MULTIPLY MEAN IMAGE low(i,j) AND FACTOR cE BY MULTIPLIER 26 TO CALCULATE COMPENSATION AMOUNT p(i,j) BY]; S23 --> S24[SUBTRACT, BY SUBTRACTOR 28, COMPENSATION AMOUNT p(i,j) READ FROM MEMORY 27 FROM INPUT SIGNAL xE(i,j) TO PRODUCE COMPENSATED IMAGE xE'(i,j)]; S24 --> S25[SYNTHESIS]; S25 --> S26[COMPRESSION]; S26 --> END([END]);
```

The flowchart illustrates the image processing method according to the present invention. It begins with a **START** terminal, followed by **IMAGE SENSING** (S21). The process then enters a **LEVEL COMPENSATION** block, which consists of three steps: **PRODUCE MEAN IMAGE $low(i,j)$ FROM INPUT IMAGE $x_E(i,j)$ BY LOW-PASS FILTER 25** (S22), **MULTIPLY MEAN IMAGE $low(i,j)$ AND FACTOR c_E BY MULTIPLIER 26 TO CALCULATE COMPENSATION AMOUNT $p(i,j)$ BY** (S23), and **SUBTRACT, BY SUBTRACTOR 28, COMPENSATION AMOUNT $p(i,j)$ READ FROM MEMORY 27 FROM INPUT SIGNAL $x_E(i,j)$ TO PRODUCE COMPENSATED IMAGE $x_E'(i,j)$** (S24). Following the level compensation steps, the process proceeds to **SYNTHESIS** (S25), then **COMPRESSION** (S26), and finally ends at an **END** terminal.

FIG.18

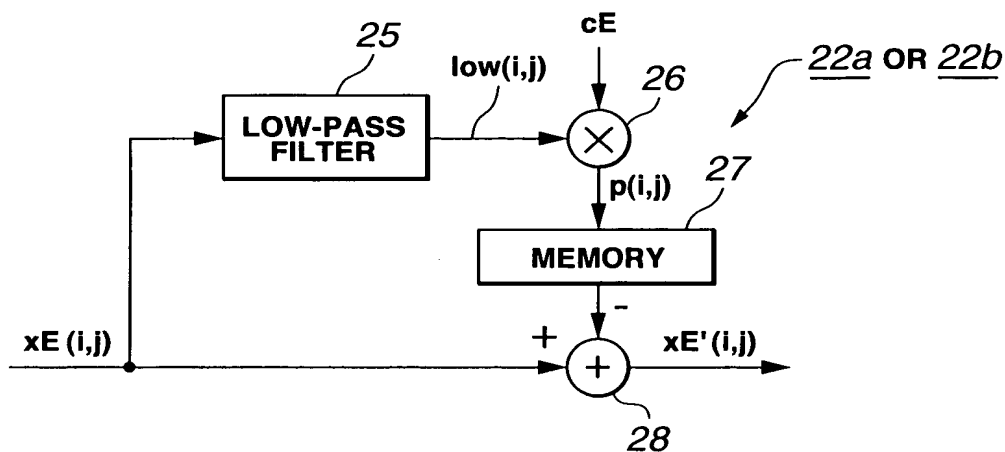


FIG.19

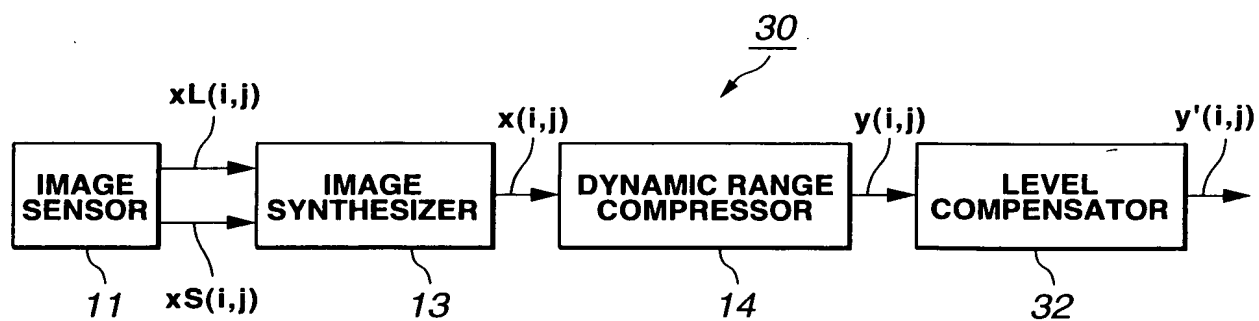


FIG.20

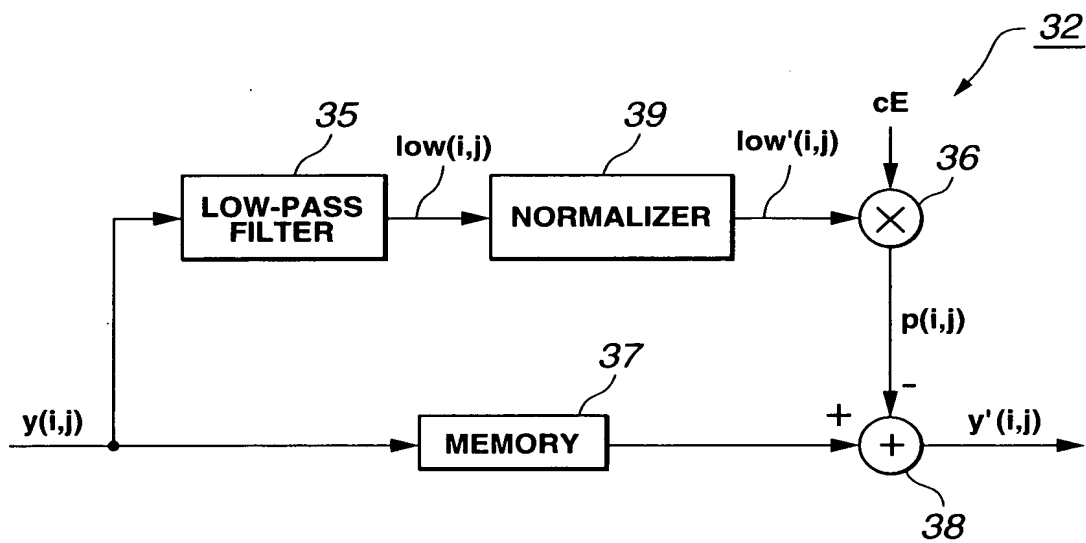


FIG.21

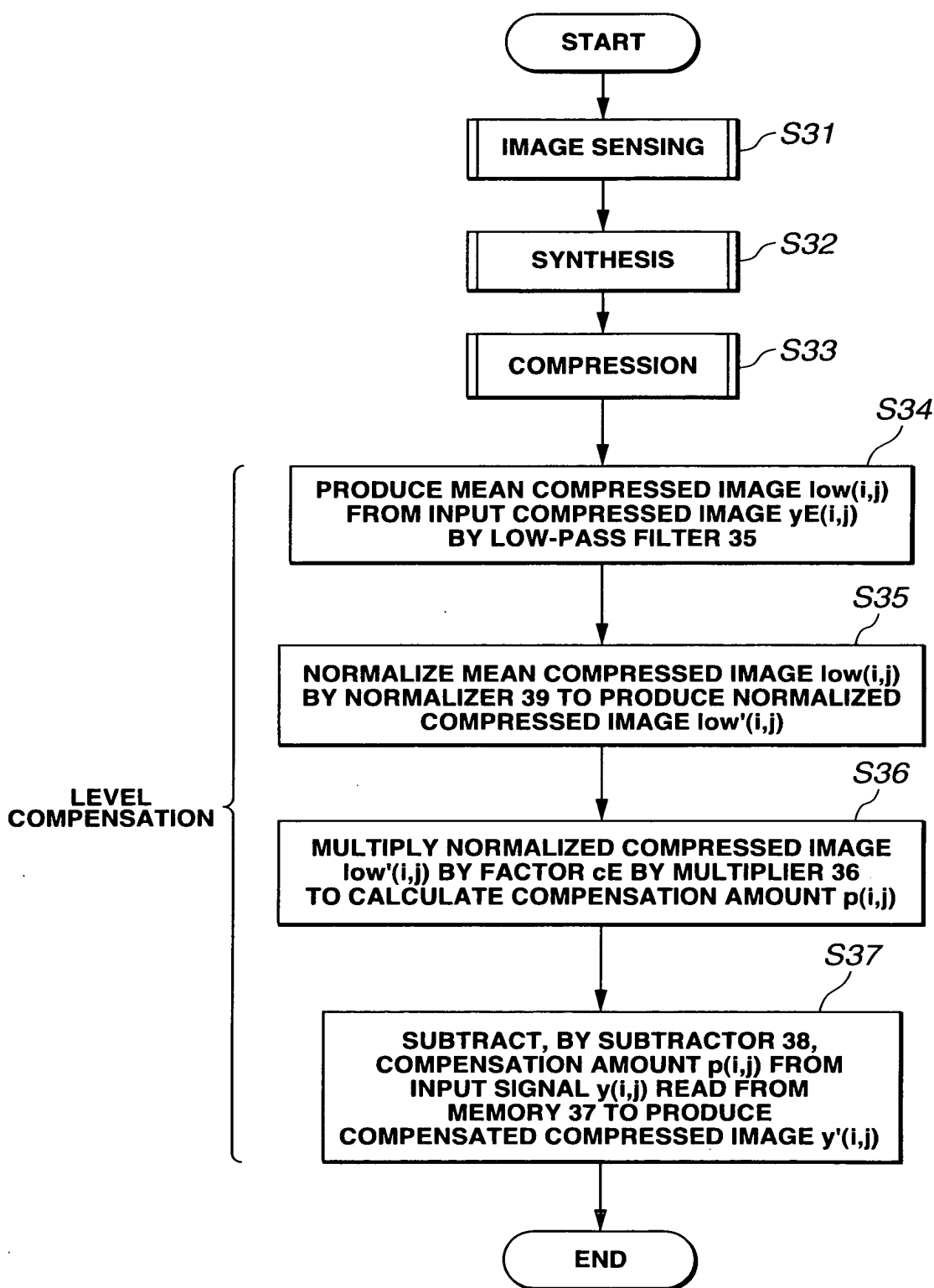


FIG.22

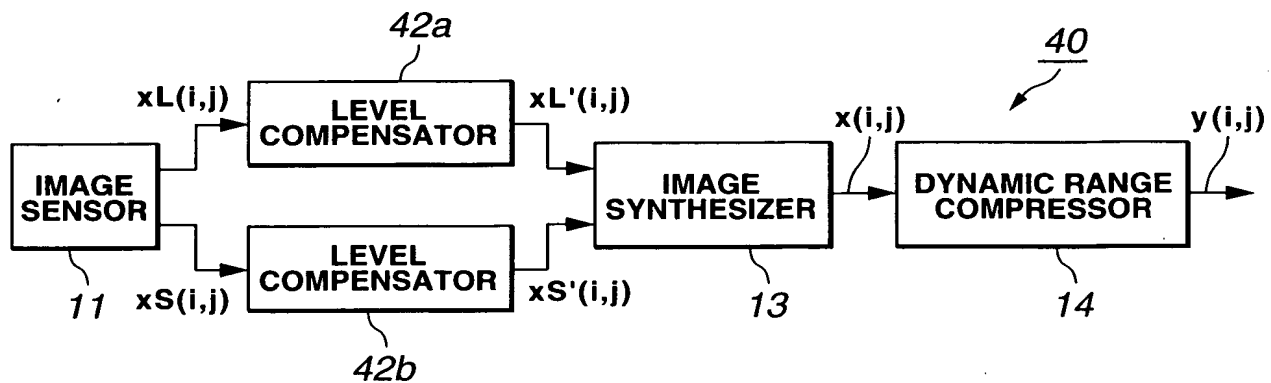


FIG.23

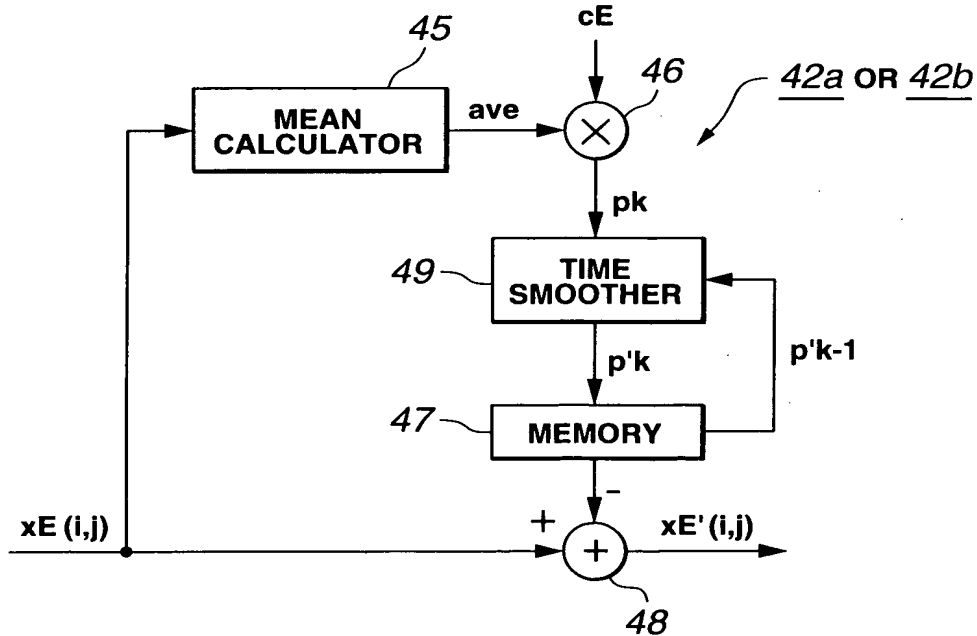


FIG.24

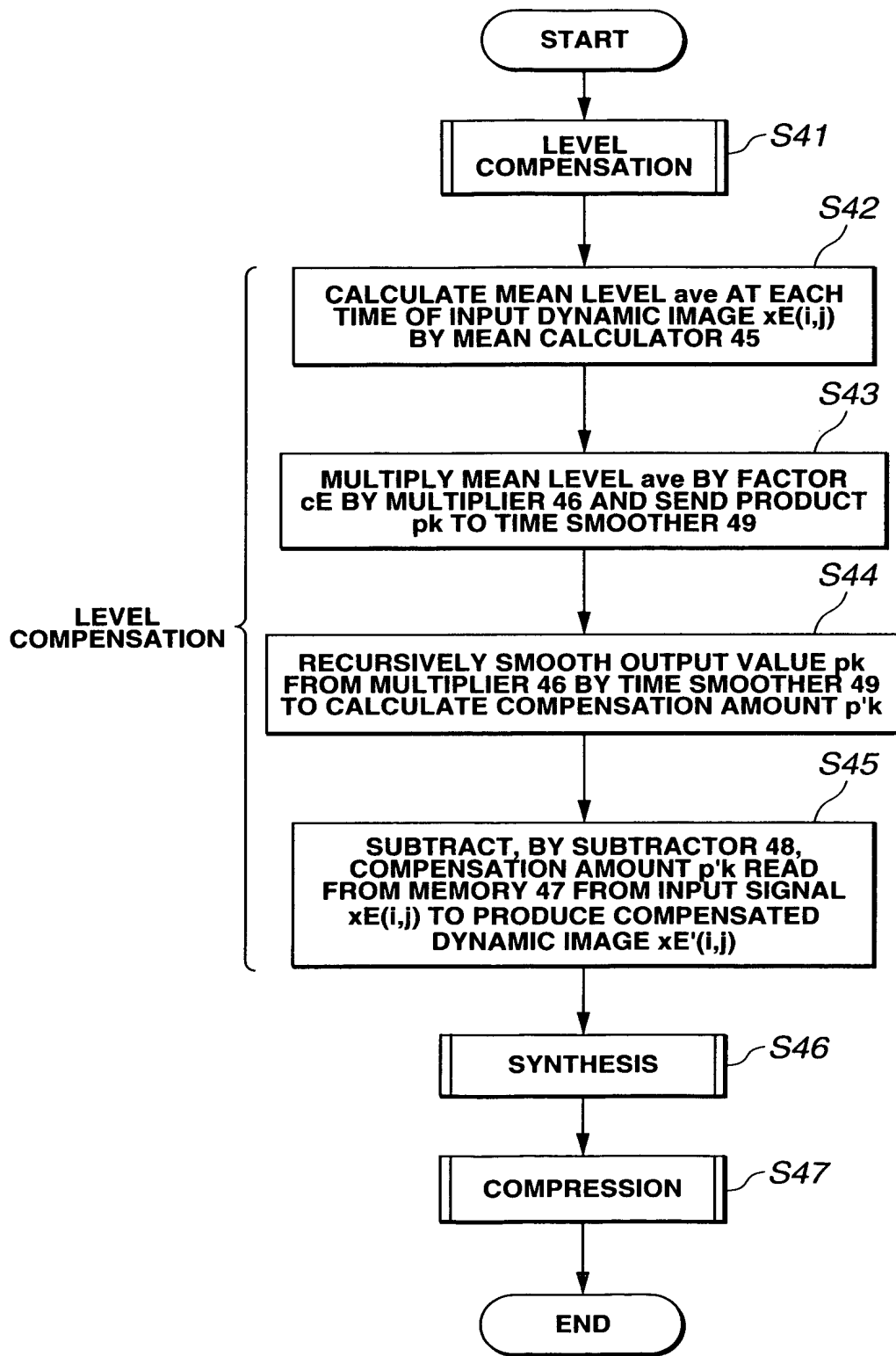


FIG.25

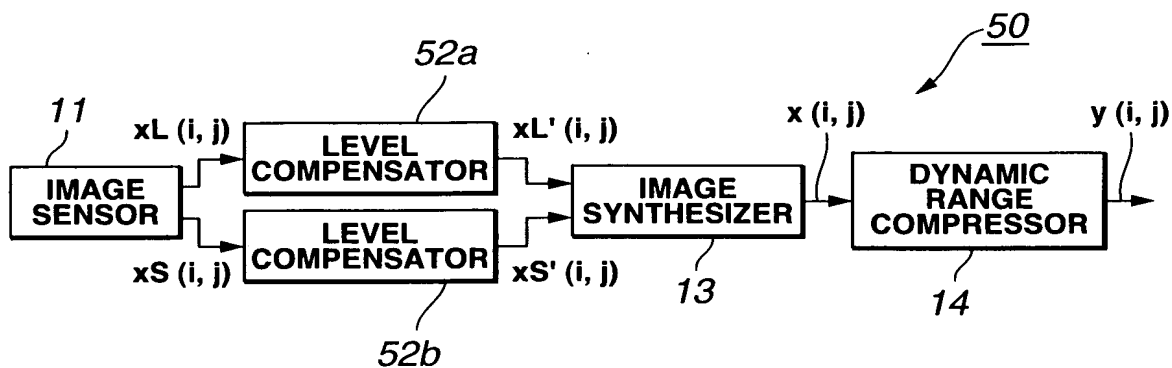


FIG. 26

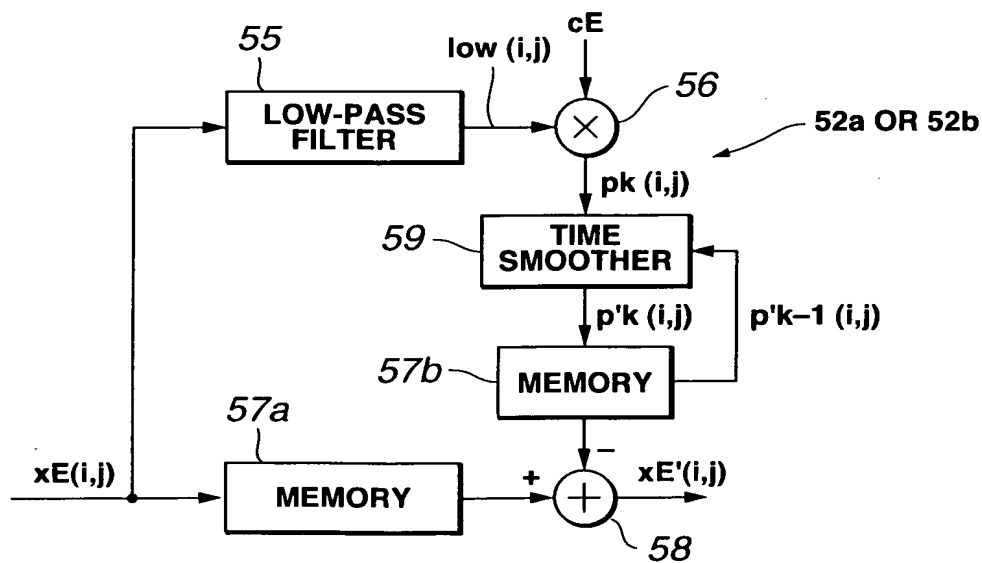


FIG. 27

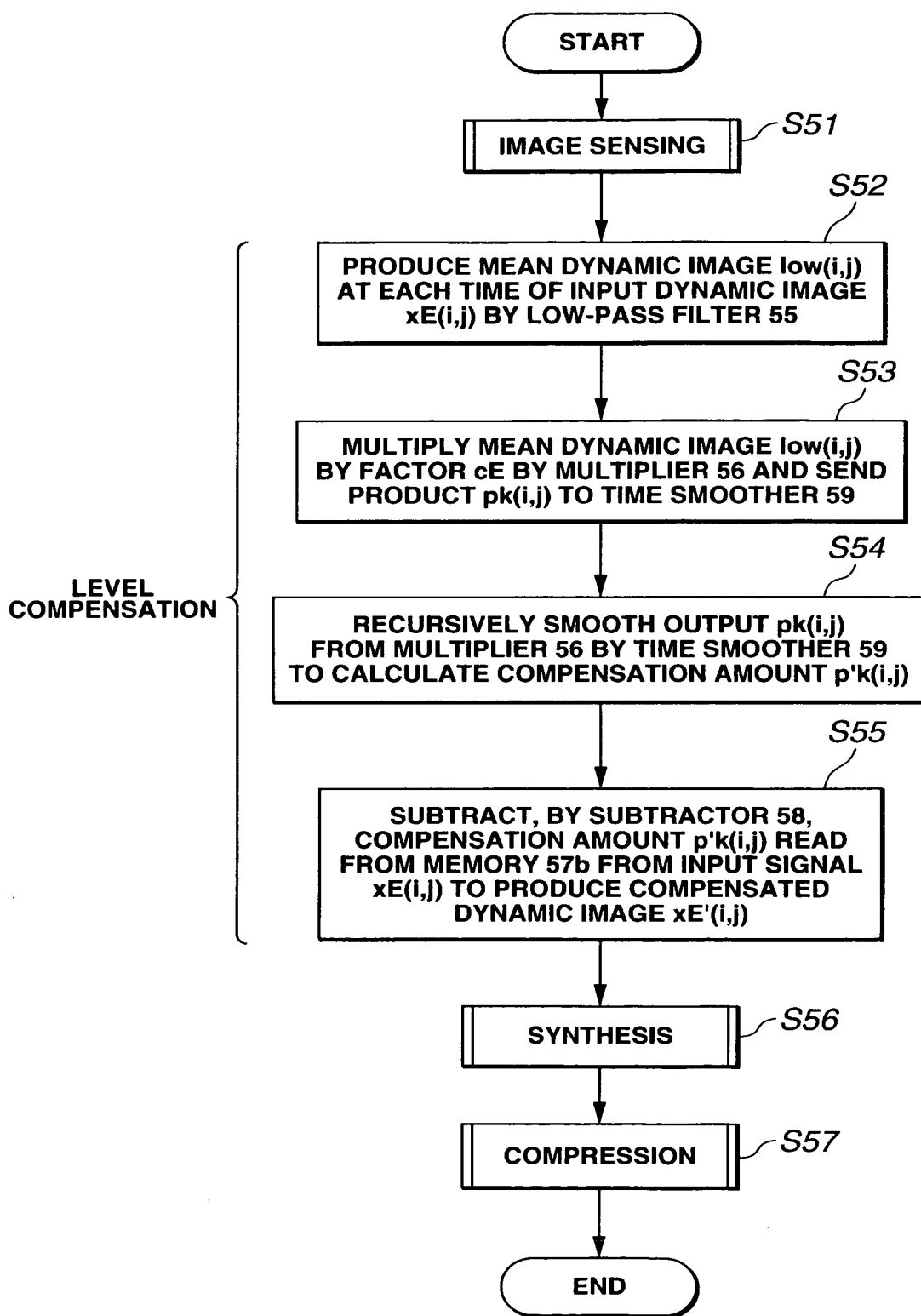


FIG.28

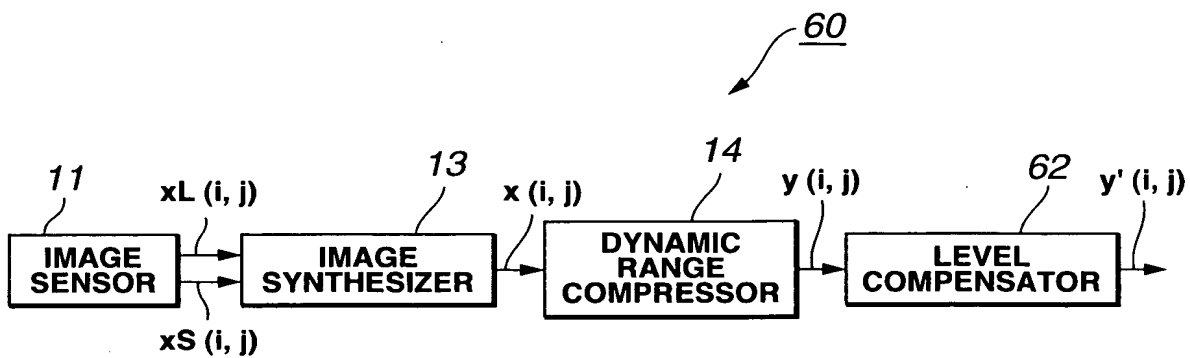


FIG.29

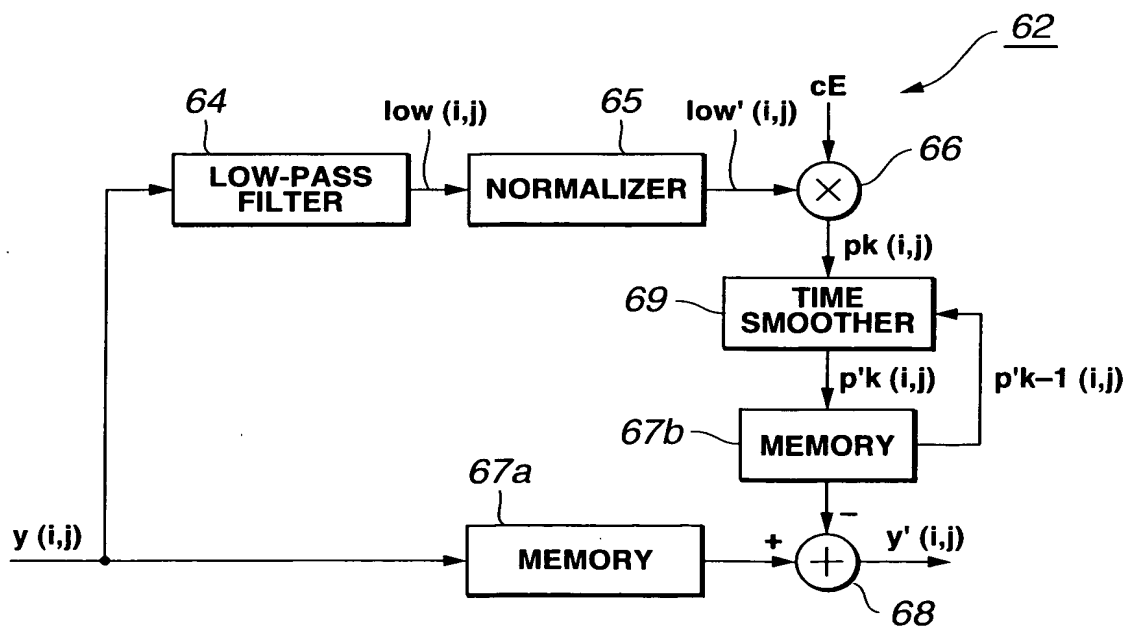


FIG.30

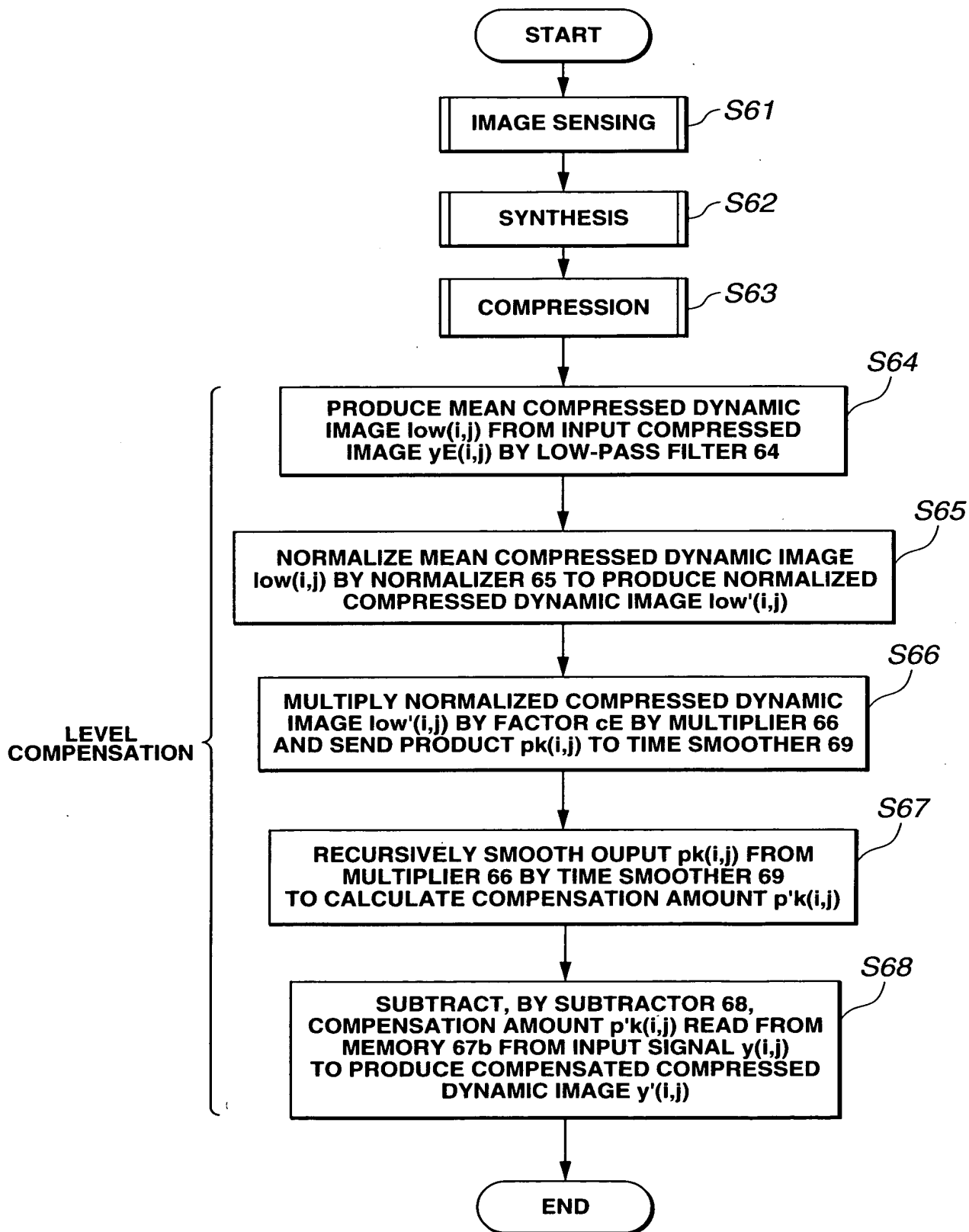


FIG.31

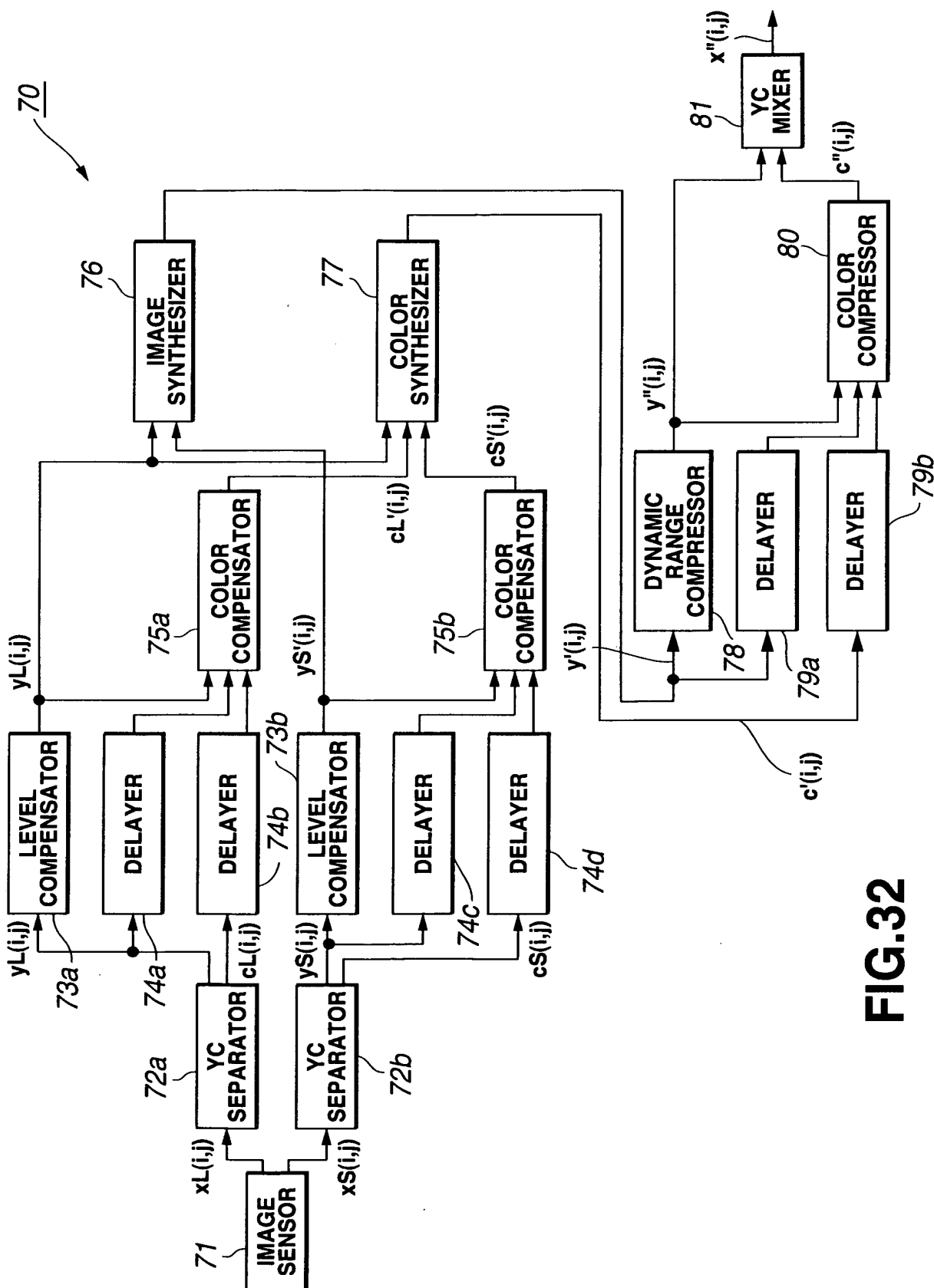


FIG.32

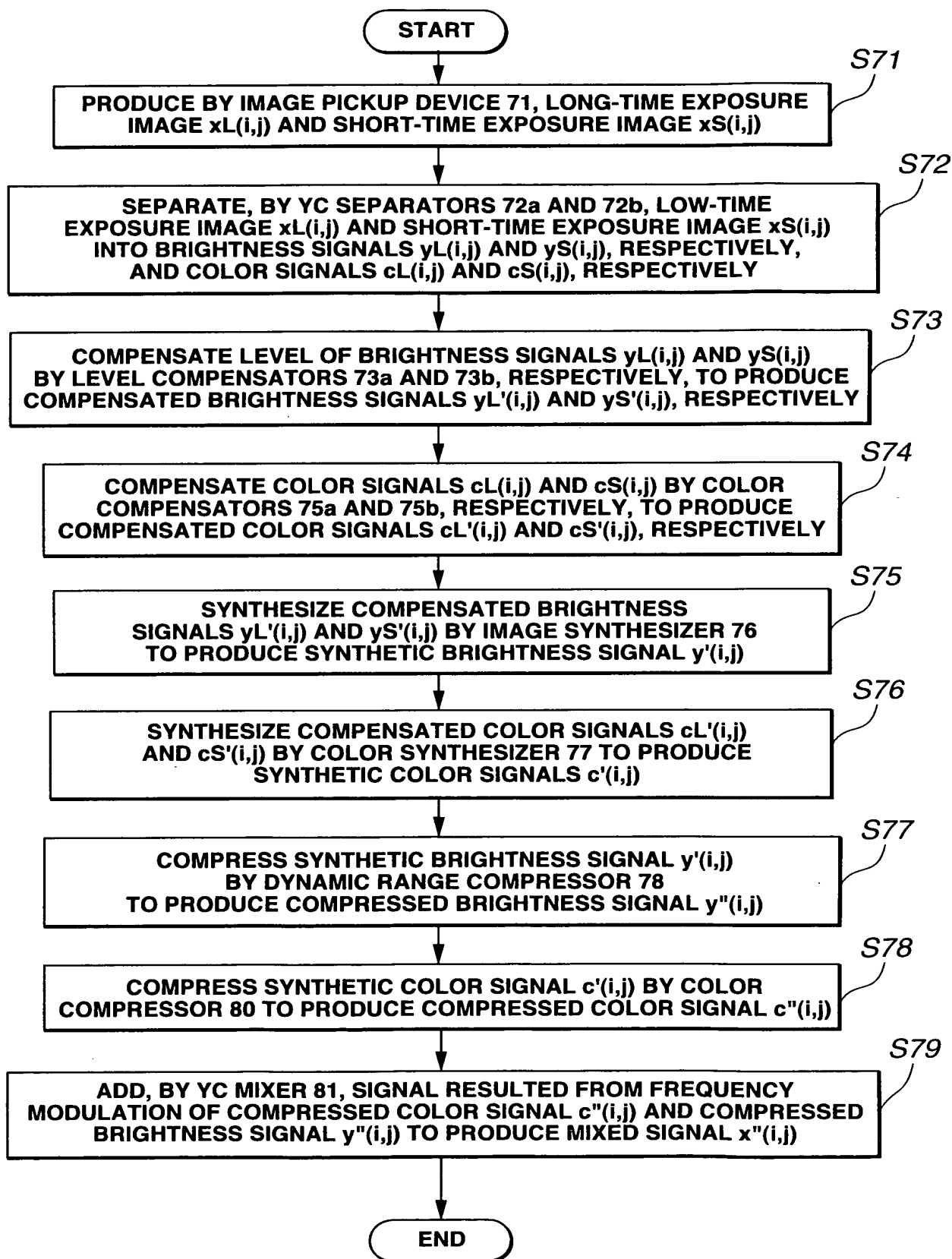


FIG.33

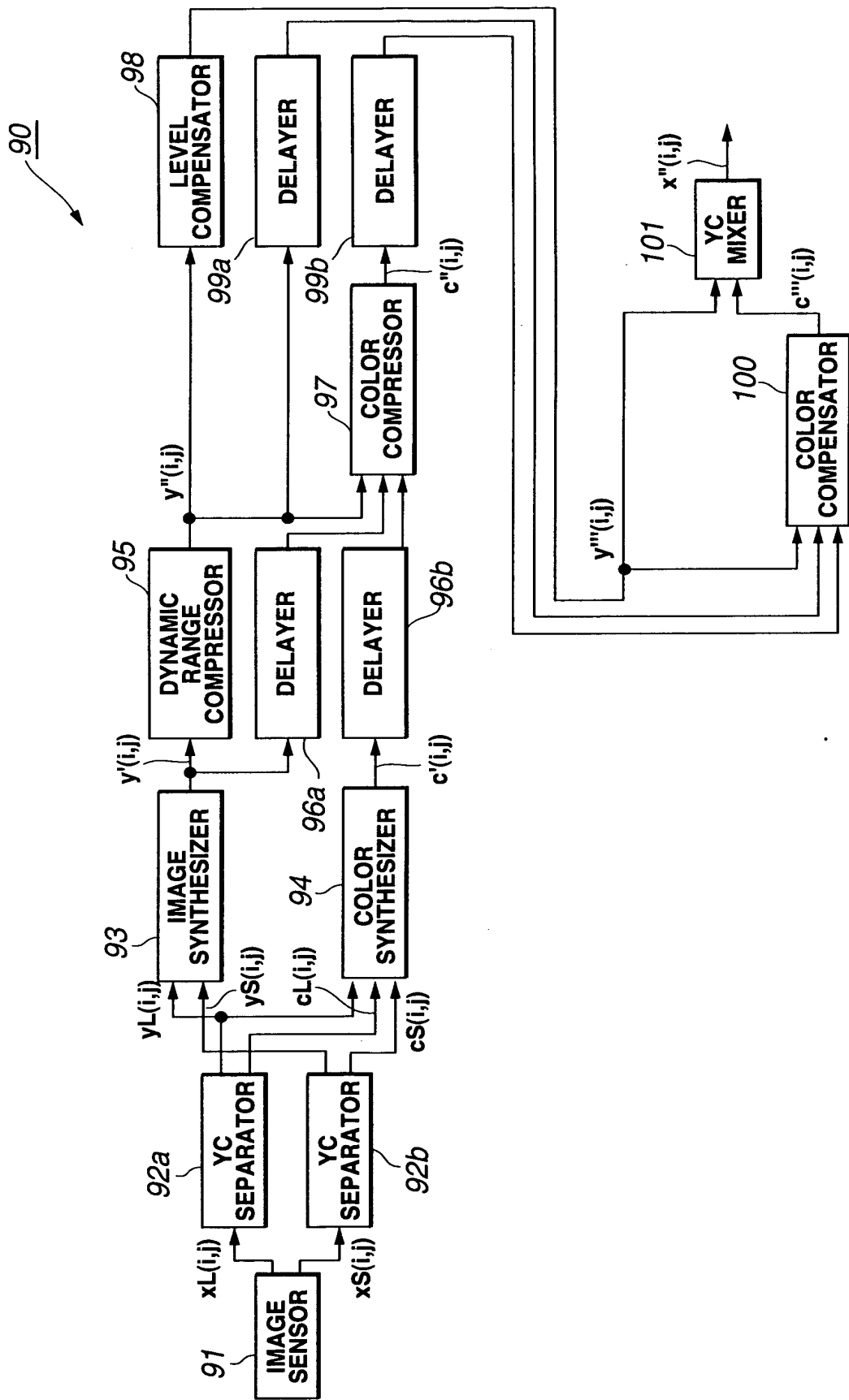


FIG.34

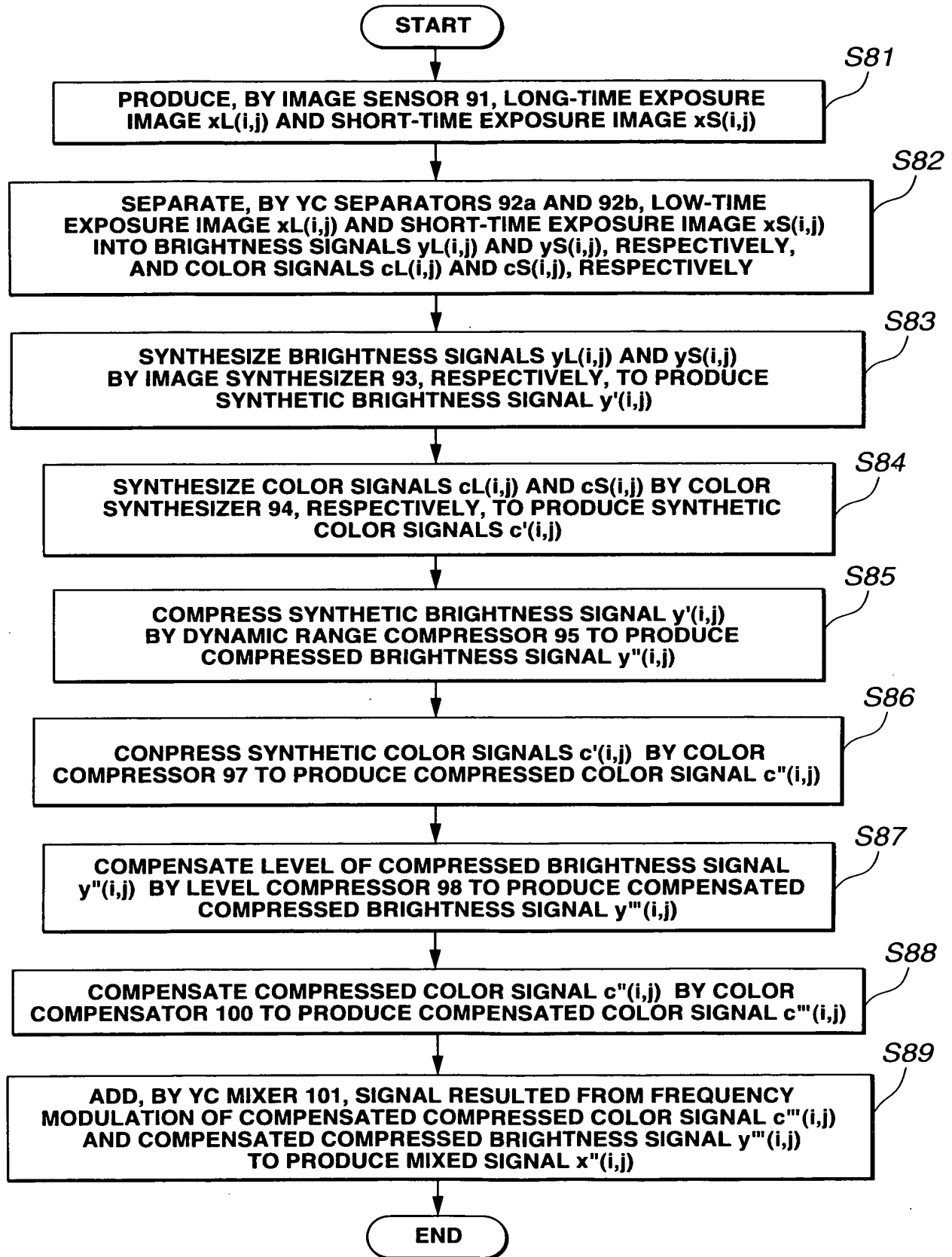


FIG.35